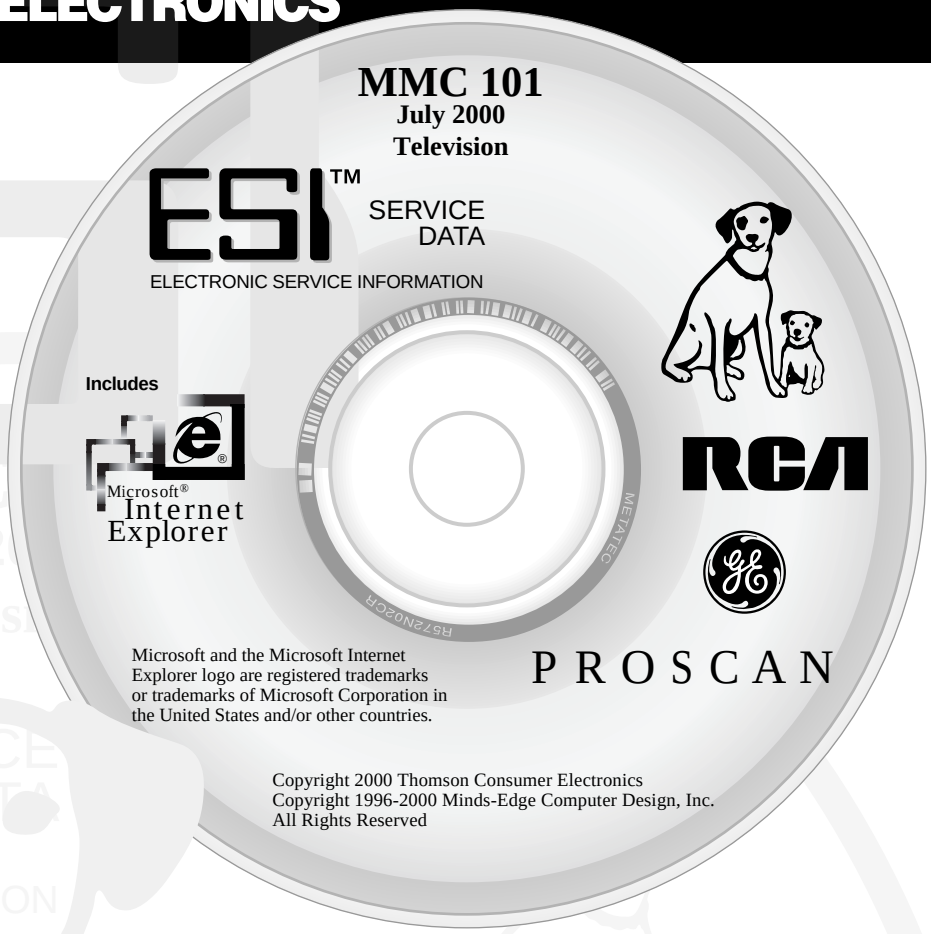
THOMSON CONSUMER ELECTRONICS

A HANDS-ON USER GUIDE FOR ELECTRONIC SERVICE INFORMATION



RCA

PROSCAN®

Copyright 2000 Thomson Consumer Electronics
Copyright 1996-2000 Minds-Edge Computer Design, Inc.

Introduction

Welcome to **Thomson's Electronic Service Information** (ESI) system. The ESI system is a group of software programs that will communicate all of the necessary technical and administrative information that you need to service Thomson Consumer Electronics products. ESI was designed to help you.Yes, you.

ESI™
ELECTRONIC SERVICE INFORMATION

The ESI system uses two different CD-ROM's to pass important service information to you. The first is ESI Monthly. This CD includes the latest warranty, parts, and model cross-reference information. Monthly CD's also contain current administrative information. To keep information current, a revised CD will be mailed monthly and the previous month's CD should be discarded.

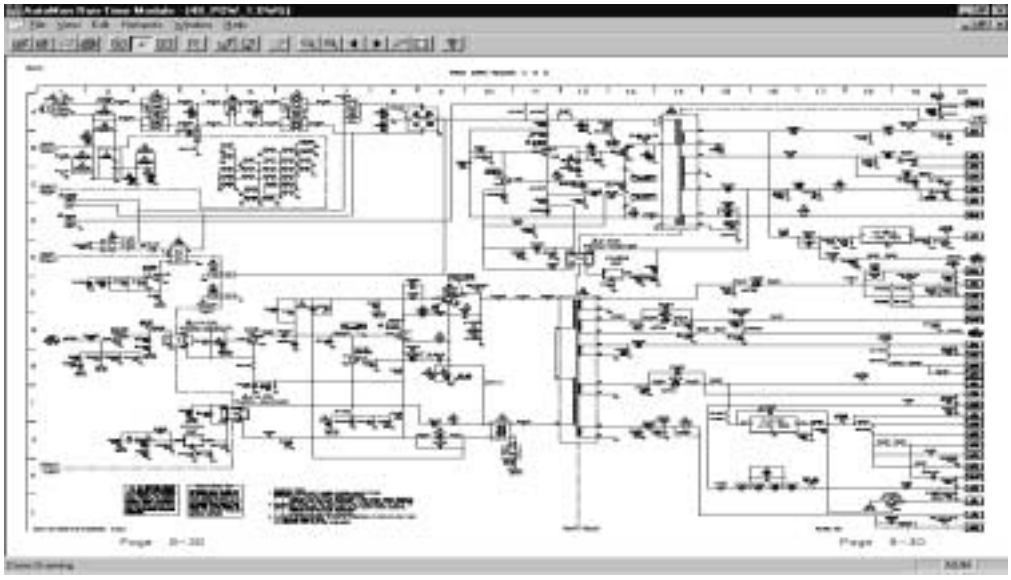
The second CD is ESI Service Data. This CD is an easy-to-use portable service manual. Yes an entire service manual is compressed onto a single CD-ROM. With this CD, you will be able to do everything you did with a paper manual except faster and easier. This CD will only be updated if changes occur to the chassis or new information is needed to service the instrument. Only discard this CD when a new CD is received.

Basic Fetures

The ESI Service Data CD-ROM offers many features that will help you do your job easier. All the information needed to repair a Thomson product is on this CD-ROM.This includes schematics, parts lists, alignment procedures, technical bulletins and the user manual.

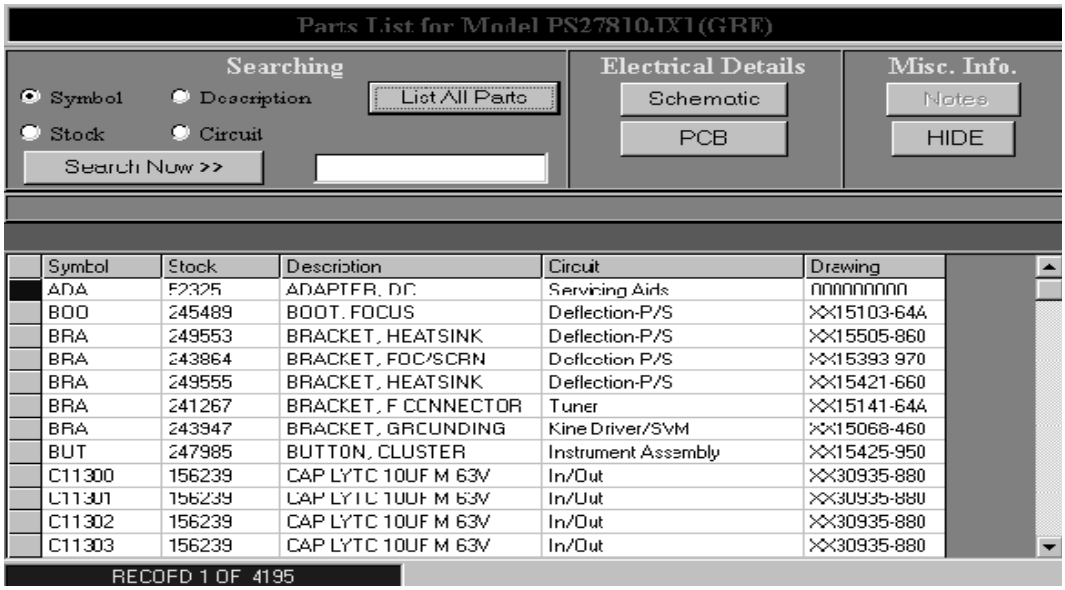
Viewing Schematics and Circuit Boards

You can use ESI to review schematics and circuit boards. Not only can you view, but also zoom and pan across the schematic. Schematics can also be printed.



Looking up parts on the fly

No more flipping through pages and pages of parts lists. Simply click on a symbol number in a schematic and let ESI find the right part for you.


Parts List for Model PS27810.TX1(GRE)
Searching
Symbol
Description
List All Parts
Stock
Circuit
Search Now >>
Electrical Details
Schematic
PCB
Misc. Info.
Notes
HIDE
Symbol Stock Description Circuit Drawing
ADA 52325 ADAPTER, DC Servicing Aids 0000000000
BOO 245489 BOOT, FOCUS Deflection-P/S XX15103-64A
BRA 249553 BRACKET, HEATSINK Deflection-P/S XX15505-860
BRA 243864 BRACKET, FOC/SCRN Deflection P/S XX15393 970
BRA 249555 BRACKET, HEATSINK Deflection-P/S XX15421-660
BRA 241267 BRACKET, F CONNECTOR Tuner XX15141-64A
BRA 243947 BRACKET, GROUNDING Kine Driver/SVM XX15068-460
BUT 247985 BUTTON, CLUSTER Instrument Assembly XX15425-950
C11300 156239 CAP LYTC 10UF M 63V In/Out XX30935-880
C11301 156239 CAP LYTC 10UF M 63V In/Out XX30935-880
C11302 156239 CAP LYTC 10UF M 63V In/Out XX30935-880
C11303 156239 CAP LYTC 10UF M 63V In/Out XX30935-880
RECOFD 1 OF 4195

Doing your job easier

Tired of dragging and storing service manuals? ESI will lighten your load and help you do your job faster.

Not On My Machine

ESI Service Data uses the latest in technology.
We have chosen Microsoft Internet Explorer 5.0 to display our information to you.

Why Internet Explorer 5.0?
We don't want to bore you with all the techno-babble, but IE 5.0 allows us to do more for you in the future. Eventually, we will be able to use smarter technology that allows us to meet your needs better and faster.

I already have Netscape on my computer and I like it just fine.
Great, we use Netscape as well, just not for this program.You can run both programs on your machine without any problem. Simply, check NO when your computer prompts you to select IE 5.0 as your default browser.

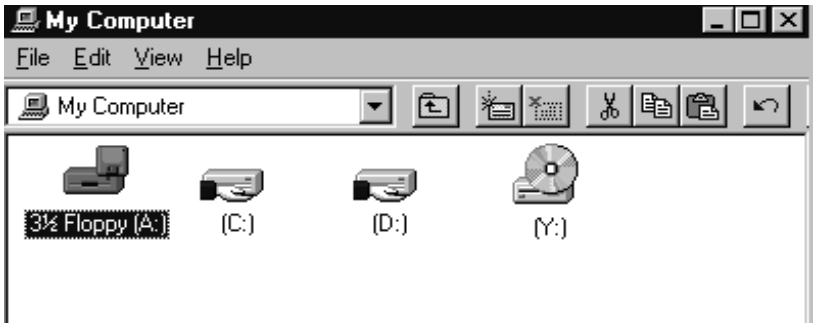
How To Install

1. Put the CD-ROM in the computer.

2. Double-click the "My Computer" ***icon on your desktop.***

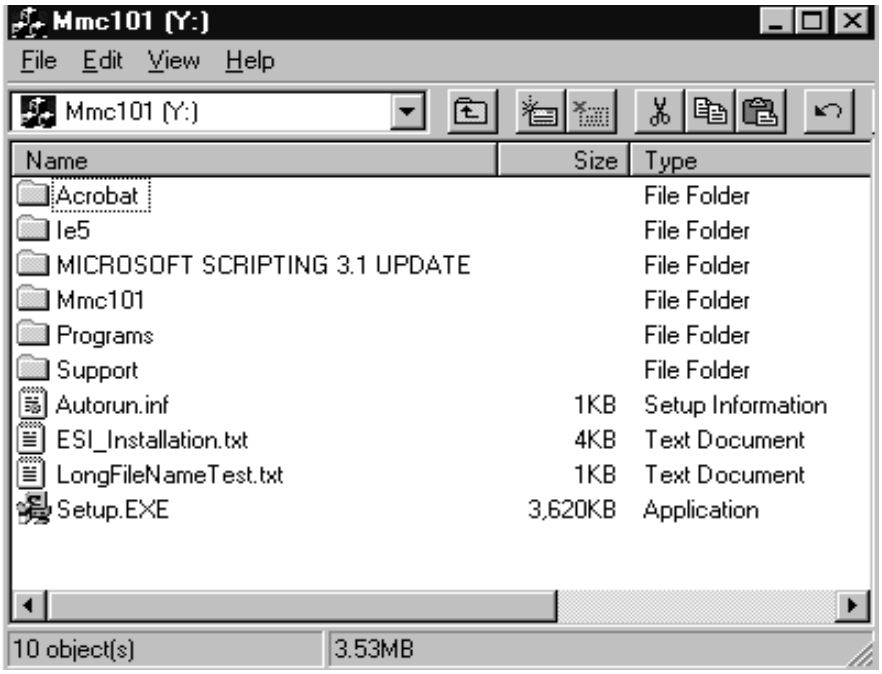
My Computer

Double-click on the selection that has an image of a CD-ROM next to it.



3. On the screen you will be presented with the CD-ROM's contents.

Double-click on the "IE5.01" folder. Then double-click on the "IE5setup.exe" file. The program will walk you through the installation process step-by-step. Once the IE4 installation is complete, click on the "Setup.exe" file to install ESI. Follow the instructions on the screen to finish the installation. Once installation is complete, click the "Back" button to the root directory of the CD-ROM to go to the "Setup.exe" file.



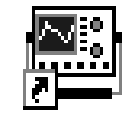
Tip: To view more in-depth installation information, simply click on "ESI_Installation.txt" in the CD-ROM's directory.

4. When the installation is complete restart your computer..

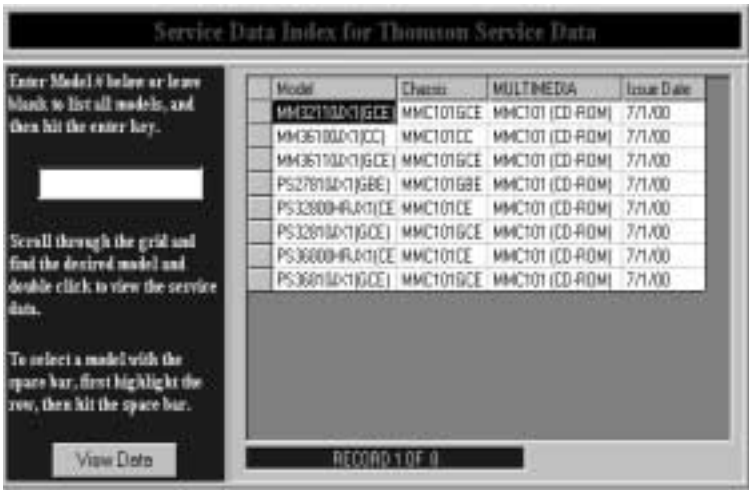
Where Do I Begin?

1. Leave the CD-ROM in your computer.

2. When you restart your computer, you will notice that a new icon has been created for the program.
Double click on the "Thomson Service Data" icon on your desktop.



3. The next screen that appears will ask you to select a model.
These selections are model numbers of the units that are included on the CD-ROM.


Service Data Index for Thomson Service Data
Enter Model # below or leave blank to list all models, and then hit the enter key.
Scroll through the grid and find the desired model and double click to view the service data.
To select a model with the space bar, first highlight the row, then hit the space bar.
View Data
Model
Chassis
MULTIMEDIA
Issue Date
RECORD 1 OF 0

4. Choose a model by clicking on it with your mouse and then click the "Start" button.
By selecting a model, ESI will pull information for that model only. If you need to look up information for another model, you will need to exit the program and double click on the Thomson Service Data icon again to restart the program.

5. The next screen you see will have three frames or windows. The top frame tells you what model you have selected.The lower left frame allows you to navigate through the Table of Contents, while the right frame provides general overviews of each Table of Contents topic.

Top 5 Features

So it's not as exciting as David Letterman's Top Ten, but we are working on it. Here are ESI's coolest timesaving features.

1. Easy-to-use Menu System

Simply point and click to view the information you need. ESI Service Data uses a menu system that operates like the Internet. From the table of contents different pieces of service information can be found and displayed by simply pointing and clicking with the mouse. For example, to view a schematic click on the "Schematic Index" topic. The right-hand frame will switch to the schematic index. Now select the schematic you would like to view from the list and the ESI system will display that schematic on the computer monitor. The same point and click technique can be used to view all the information on the Service Data CD.

2. Simple Pan and Zoom

Once a schematic is displayed, use the mouse or the keyboard to zoom in on an area or pan around the schematic. To zoom, press and hold the left mouse button while moving the mouse. This draws a square around the area you want to zoom in on. Release the left mouse button and the viewer will display the area within the square. Naturally, the smaller the box the closer the viewer zooms in. To use the zoom feature with the keyboard use the + or - keys to zoom in or zoom out

To pan (or move) around a schematic use the right mouse button. Position the cursor over the area you would like to move, this is the starting point. Press and hold the right mouse button. Now move the mouse the direction distance you want to pan. The arrow keys on the keyboard can also be used to pan or move a schematic.

Top 5 Features

3. Built-in Jumps to circuit board views, parts lists, waveforms, and other schematics

The schematic viewer contains hotspots. Hotspots are areas on a drawing (or documents) that can provide links to other information. There are two types of hotspots (these are links and notes). As the mouse cursor moves around the schematic, it will change to either the word “link” or “note” as a hotspot is passed over. To activate the hotspot, click the left mouse button as it passes over the hotspot. Links jump the viewer to the parts list, circuit board views, and other schematics. Notes are used for waveforms, voltage charts, and additional information.

4. Everything is Printable

Imagine being able to print full sized schematic on a normal printer, Thomson’s ESI Service Data can do just that. By spreading a drawing across several small pages, ESI Service Data will print a readable copy on a normal printer (Dot Matrix, Laser, Bubble, etc). To do this, click the printer button on the toolbar. When prompted, select one, two, or four pages (two pages print the best for most of Thomson schematics). Not only are schematics printable, but also alignments, disassembly procedures, instruction books, and training information.

5. Electronic Part list

If no other feature impresses you this one will. The parts list helps you to look up the correct part. It does this by only showing the parts used in the instrument your working on. Part numbers are displayed by either jumping to it from a schematic or searching for a part by the symbol number. Display bulletins or parts notes by clicking on the bulletin or notes button on the parts list menu. Need to locate a component on a circuit board or schematic? The parts list can link you to both.

AutoMan Document Viewer

TIP: Learn more about the Automan Document Viewer by reading the Contents selection under the Help menu pull-down.

With the AutoMan Document Viewer you won't have to memorize a new set of pull-down menus. All your tools are just a click away. AutoMan Document Viewer allows you to view schematics and circuit boards and zoom in on problem areas.

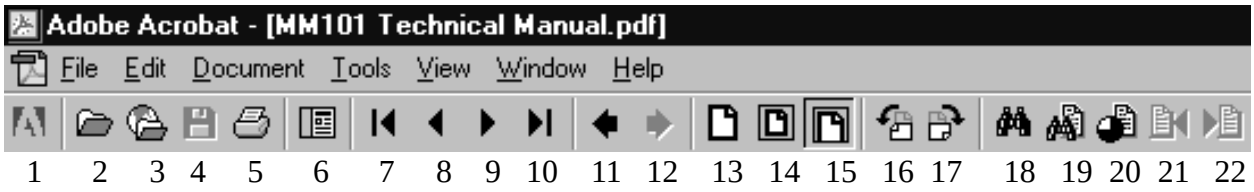
1. Open an existing document – allows you to open a document on your computer or on a disc (this function is not needed with TCE & ESI)
2. Close – lets you close out of the screen you are currently viewing.
3. Previous Open File – navigate back to the last file you viewed.
4. Print – print the screen
5. Hot Spots Off – turn off links to other pages for a better view
6. Hot Spots On – turn on links to find more information
7. Hot Spots Displayed – display all links for better navigation
8. Redraw – redraw schematics on the fly
9. Add Marker – use a marker to highlight areas on the screen
10. Edit Markers – edit highlighted areas on the screen
11. Activate Flood Fill – mark copper traces and circuit board views
12. Zoom Out – step back from the screen at the tap of a button
13. Previous View – return to the last way the document was viewed
14. Next View – navigate to the next screen
15. Go to Named View – choose your own view
16. Full View – view the entire schematic
17. Help Topics – learn the program
18. Interactive Help – click on the button and use your mouse to seek help

Keyboard Navigation

Function keys will let you perform functions at the touch of a button.
Arrow Keys - Pan or move Up, Down, Left or Right
+ Key - Zoom In
- Key - Zoom Out
F5 – return to table of contents
F6 – open parts list
F7 – make notes in a word processing document
F8 - program this button to do any function you desire

Adobe Acrobat

Tip: Check out the Acrobat Reader Online Guide under the Help menu.
Adobe Acrobat is used to view PDF files. PDF files are portable document files that we use to view alignment procedures, training materials, and all other normal size (8 1 /2 211) pages.


Adobe Acrobat - [MM101 Technical Manual.pdf]
File Edit Document Tools View Window Help
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

Tool bar

1. Visit Adobe on the World Wide web
2. Open
3. Open Web Page
4. Save
5. Print
6. Show/Hide Navigation Pane
7. First Page
8. Previous Page
9. Next Page
10. Last Page
11. Go to Previous View
12. Go to Next View
13. Actual Size
14. Fit in Window
15. Fit Width
16. Rotate View 90 CW
17. Rotate View 90 CCW
18. Find
19. Search
20. Search Results
21. Previous Highlight
22. Next Highlight

Keyboard Commands

Right Arrow + Shift Scrolls page to the right
Left Arrow + Shift Scrolls page to the left
Up Arrow + Shift Scrolls page up
Down Arrow + Shift Scrolls page down
Ctrl + 1 Go to first page
Ctrl + 2 Go to previous page
Ctrl + 3 Go to next page
Ctrl + 4 Go to last page
End key Go to last page
Ctrl + P Print

Electronic Service Information (ESI) FAQ's

Frequently Asked Questions

Q. After installing the program and upon my first attempt to run it, I get a message that says that I am attempting to run an unsupported application?

A. You have overlooked or were unsuccessful in installing either the Internet Explorer or Adobe Acrobat programs. Search your hard drive for Iexplore.exe and Acroread.exe to determine which application is missing and install it from the CD.

Q. The program gives me a general protection fault when I print a schematic, why?

A. AutoMan defaults to print the schematic to one page when you use the printer icon.To correct this, go to the toolbar and select file then print setup and change the orientation to landscape. Then go back to file and select print and on the CAD Document Print dialog select 2 pages then press on OK.The Print dialog then opens, press OK to send the print job to your printer.

Q. Do I need access to the Internet to run ESI?

A. No, ESI is reading directly from the CD. Internet connection is not required.

Q. Is Windows 95 required to run ESI?

A. At present Windows 95 is required to run all Tech Aid software with the exception of Chipper Check.

Q. Can I use another browser, for example Netscape to run ESI?

A. No, although Internet Explorer does not have to be your default browser, it is required and your computer will allow the installation of more than one Internet browser program.

Frequently Asked Questions

Q. I keep getting an error code when I try to use ESI Data. What do I need to do to get the system running again?

A. You need to uninstall and then Reinstall the software. First it may be necessary to delete the "ESDStart.ini" file. This file is located in the "Windows" directory.

Q. Do I need to keep the old versions of the solftware on my computer?

A. No. Delete the older versions of the software from your computer. To remove the old version of the software. go to "Add/Remove Programs" under Control Panel.